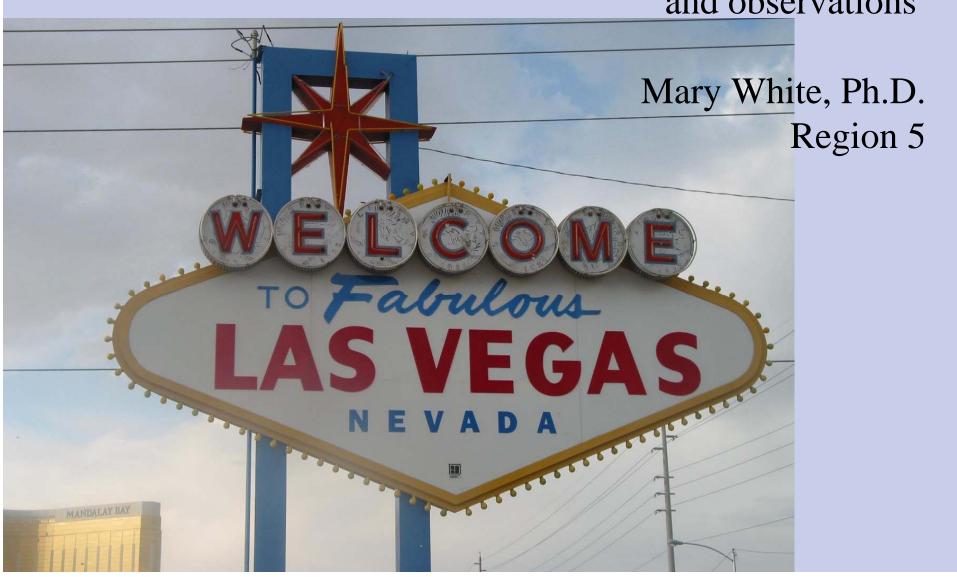
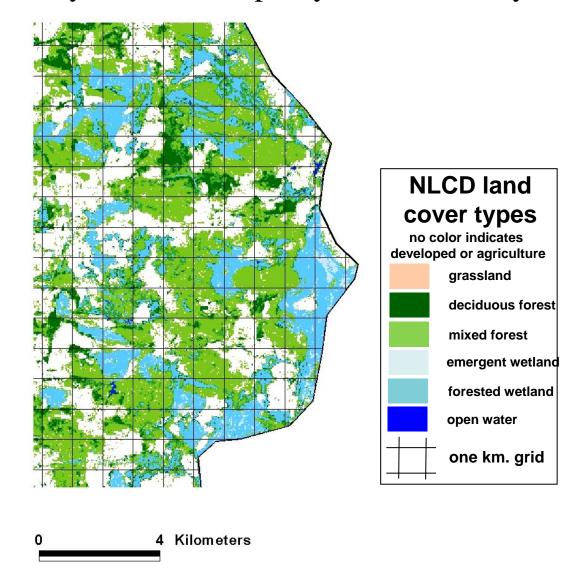
### Regional Research Partnership Program

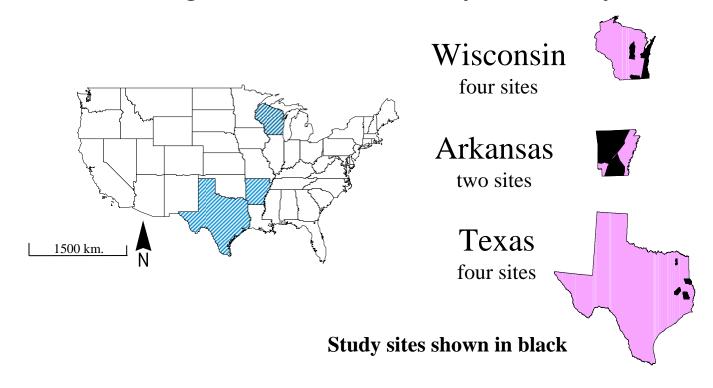
The results of research and observations

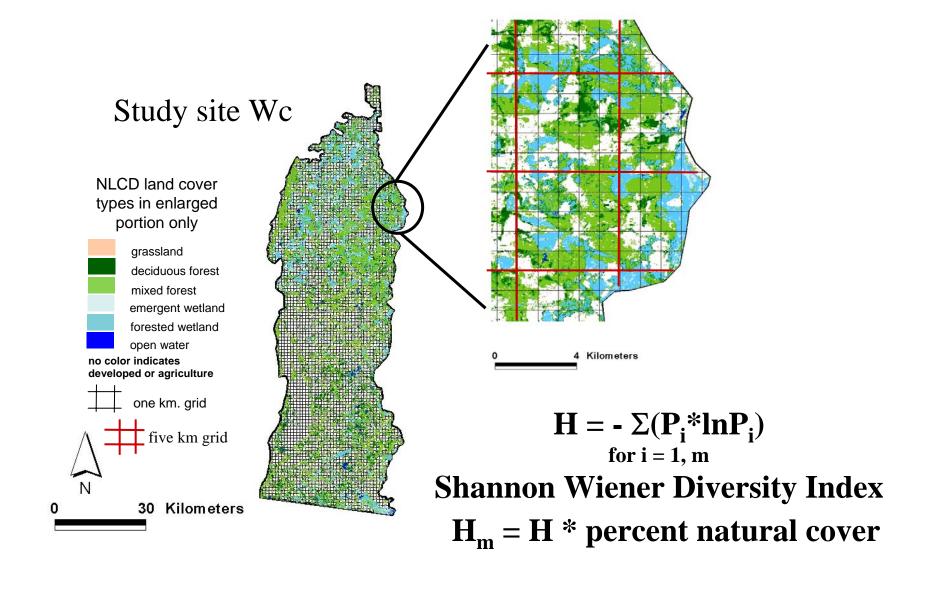


Can land cover diversity be used as a proxy for community diversity?



# Study sites chosen for comparison of land cover diversity to vegetative community diversity





### Results of correlation of $H_m$ for land cover with $H_m$ for vegetative community

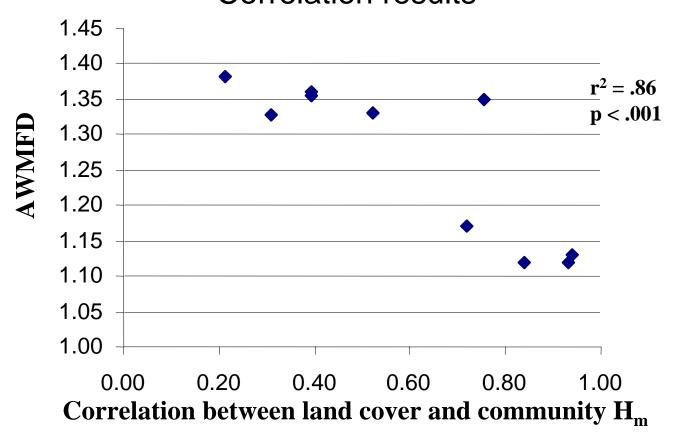
study site	correlation	
Та	0.21	
Tb	0.76	
Тс	0.39	
Td	0.39	
Wa	0.94	
Wb	0.84	
Wc	0.72	
Wd	0.93	
Aa	0.31	
Ab	0.52	



#### FRAGSTATS results on study sites

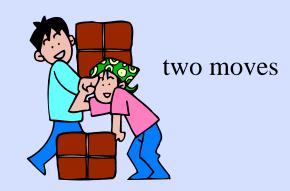
study site	correlation	area weighted mean	mean
		fractal dimension	shape index
Та	0.21	1.38	2.43
Tb	0.76	1.35	2.20
Тс	0.39	1.36	2.29
Td	0.39	1.35	2.20
Wa	0.94	1.13	5.49
Wb	0.84	1.12	4.60
Wc	0.72	1.17	7.51
Wd	0.93	1.12	5.73
Aa	0.31	1.33	1.70
Ab	0.52	1.33	1.55
		r2 = -0.86	r2 = 0.71

## Area weighted mean fractal dimension (AWMFD) vs. Correlation results





Factors the Landscape Ecology Branch has had to contend with in the last 18 months.





retirement of key personnel

promotion of branch chief
to Senior Scientist
(congrats, Bruce!)

### **Observations on travel arrangements**



#### What did I learn?

(in no particular order)

How to write a defendable research proposal
Where to go for remotely sensed data
ORD Scientists are eager to collaborate with Regions
Many new GIS tricks from Don Ebert, the ATtILLA king
It is valid to use the land cover diversity index in our geographic area
ORD Scientists have much better computing facilities than the regions
A lot of information gets passed around at tea-time in the LEB

Many thanks to (in no particular order)
Bruce Jones, Ric Lopes, Don Ebert, Susan Jackson, David Macarus and David Klauder

